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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/771,605

Applicant(s)

FAN ET AL.

Examiner

EUGENE YUN

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33, 35 and 36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33, 35 and 36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB-08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 20-25 and 27-33 rejected under 35 U.S.C. 103(a) as being unpatentable over Lazaridis et al. (US 6,219,694) in view of Ichikawa et al. (US 7,200,409).

Referring to Claim 20, Lazaridis teaches a method of communication comprising:

Obtaining data (see col. 7, lines 1-4); and

Transmitting the report using one of SMTP, POP, IMAP, MIME, RFC-822, and IM protocols (see col. 10, lines 53-57) if the data satisfies a predefined condition, without receiving an external command to transmit (see col. 6, lines 7-20).

Lazaridis does not teach obtaining data about a physical status of a mobile unit, remotely receiving a configuration command about configurations for a report, automatically preparing the report in accordance with the configurations in the command, where the report incorporates the data. Ichikawa teaches obtaining data about a physical status of a mobile unit (see col. 3, lines 35-49), remotely receiving a configuration command about configurations for a report, automatically preparing the report in accordance with the configurations in the command (see col. 3, lines 20-23, lines 55-58, lines 63-64, col. 4, lines 2-4, lines 9-12, 19-22, and the other configurations stated in the reference), where the report incorporates the data (see end of

ABSTRACT). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Ichikawa to said device of Lazaridis in order to more efficiently report the status of a mobile unit.

Referring to Claim 21, Lazaridis teaches determining whether the data fulfills a predefined condition by comparing the data against a reference value (see col. 7, lines 36-45).

Referring to Claim 22, Lazaridis also teaches the data as at least one of position information, calculated information, physical parameters, and environmental parameters (see col. 6, lines 60-65).

Referring to Claim 23, Lazaridis also teaches time-stamping the status report (see col. 3, lines 20-24).

Referring to Claim 24, Lazaridis also teaches storing the status report for a predetermined period of time (see col. 8, lines 52-55).

Referring to Claim 25, Lazaridis also teaches counting a length of distance traveled or time passed since a previous transmission to determine if the data satisfies the predefined condition (see col. 3, lines 20-24).

Referring to Claim 27, Lazaridis also teaches comparing the data against an emergency condition and transmitting an alert signal if the data satisfies the emergency condition (see col. 1, line 66 to col. 2, line 4).

Referring to Claim 28, Lazaridis also teaches receiving an enabling command for adding new data to a database, and adding new data to the database before receiving a

disabling command for disabling addition of new data to the database (see col. 8, lines 32-40).

Referring to Claim 29, Lazaridis also teaches preparing the status report in a human-readable format such that no format conversion is necessary before the status report is presented to a viewer (see col. 6, lines 7-20).

Referring to Claim 30, Lazaridis also teaches the human-readable format is one of HTML and text format (see col. 6, lines 7-20).

Referring to Claim 31, Lazaridis also teaches preparing the status report in a standard application format (see col. 6, lines 7-20).

Referring to Claim 32, Lazaridis also teaches encrypting the status report prior to transmission (see col. 6, lines 52-65).

Referring to Claim 33, Lazaridis also teaches receiving a message in one of SMTP, POP, IMAP, MIME, RFC-822, and Instant Messaging (IM) protocols; and authenticating the received message (see col. 10, lines 53-57).

3. Claims 1-19, 26, 35, and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazaridis et al. (US 6,219,694) and Ichikawa et al. (US 7,200,409) and further in view of Thomas (US 7,366,522).

Referring to Claim 1, Lazaridis teaches a communication system comprising:

A mobile unit having a processor, a memory, and a wireless modem for generating a report (see col. 13, lines 6-19).

Lazaridis does not teach a user interface unit that generates and transmits a configuration command for configuring a report; and the mobile unit collecting data

about physical status of the mobile unit, automatically using the data to generate a report according to the configuration command, and transmitting the report to the user interface unit. Ichikawa teaches a user interface unit that generates and transmits a configuration command for configuring a report (see col. 3, lines 20-23, lines 55-58, lines 63-64, col. 4, lines 2-4, lines 9-12, 19-22, and the other configurations stated in the reference); and the mobile unit collecting data about physical status of the mobile unit, automatically using the data to generate a report according to the configuration command (see col. 3, lines 35-49), and transmitting the report to the user interface unit (see last 2 lines of ABSTRACT). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Ichikawa to said device of Lazaridis in order to more efficiently report the status of a mobile unit.

The combination of Lazaridis and Ichikawa does not teach formatting the report according to an electronic mail protocol. Thomas teaches formatting the report according to an electronic mail protocol (see col. 3, lines 60-64 noting that the user interface unit is the location monitoring server). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Thomas to the modified device of Lazaridis and Ichikawa in order to better utilize unused service capacity.

Referring to Claim 2, Lazaridis also teaches the status report transmitted from the mobile unit to the user interface unit according to one of SMTP, POP, IMAP, MIME, RFC-822, and IM protocols (see col. 10, lines 53-57).

Referring to Claim 3, Ichikawa also teaches a detection component coupled to the processor, wherein the detection component comprises a sensor for measuring a physical parameter (see col. 3, lines 35-42).

Referring to Claim 4, Ichikawa also teaches a means for determining a position of the mobile unit (see col. 3, lines 35-42).

Referring to Claim 5, Ichikawa also teaches a receiver for receiving positioning data from satellites, allowing the processor to use the positioning data for determining a position of the mobile unit (see col. 2, lines 61-67).

Referring to Claim 6, Lazaridis also teaches the memory storing the status report for a predefined length of time after the status report is transmitted to the user interface unit (see col. 3, lines 7-14).

Referring to Claim 7, Lazaridis also teaches a plurality of mobile units including the mobile unit, wherein the user interface unit is connected to a backend processing unit for combining status reports generated by the plurality of mobile units (see col. 3, lines 36-46).

Referring to Claim 8, Lazaridis also teaches an input device for receiving information from a user and an output device for presenting information to a user (see col. 8, lines 11-25).

Referring to Claim 9, Ichikawa also teaches the report format changeable through the user interface unit (see col. 3, lines 20-23, lines 55-58, lines 63-64, col. 4, lines 2-4, lines 9-12, 19-22, and the other configurations stated in the reference).

Referring to Claim 10, Lazaridis also teaches reconfiguring the status report according to a command received from the user interface unit (see col. 6, lines 7-20).

Referring to Claim 11, Lazaridis also teaches a database for manually entering peripheral data, wherein the peripheral data is used for compliance with the report format (see col. 8, lines 32-40).

Referring to Claim 12, Ichikawa also teaches the peripheral data comprising at least one of landmarks, maps, speed limits, and traffic light positions for the mobile unit to use as a positional reference in the status report, wherein the positional references indicates a position of the mobile unit (see col. 6, lines 51-56).

Referring to Claim 13, Thomas also teaches adding landmarks to the database for use in the status report (see col. 4, lines 52-60).

Referring to Claim 14, Thomas also teaches transmitting one or more landmarks to the mobile unit for use as a positional reference in the status report (see col. 4, lines 52-60).

Referring to Claim 15, Lazaridis teaches a mobile communication device comprising:

A detection component for measuring a status (see col. 2, lines 61-65).

A processor connected to the detection component, wherein the processor is for generating a report incorporating the status (see col. 13, lines 6-19); and

A wireless modem and memory connected to the processor, wherein the memory is for storing the status report (see col. 3, lines 7-14).

Lazaridis does not teach measuring a physical status and generating the report according to an external configuration command. Ichikawa teaches measuring a physical status and generating the report according to an external configuration command (see col. 3, lines 20-23, lines 55-58, lines 63-64, col. 4, lines 2-4, lines 9-12, 19-22, and the other configurations stated in the reference), wherein the status report is transmitted once the physical status fulfills a condition (see col. 3, lines 35-49 and last 2 lines of ABSTRACT). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Ichikawa to said device of Lazaridis in order to more efficiently report the status of a mobile unit. The combination of Lazaridis and Ichikawa does not teach the status report transmitted according to a predetermined electronic mail protocol. Thomas teaches the status report transmitted according to a predetermined electronic mail protocol (see col. 3, lines 60-64 noting that the user interface unit is the location monitoring server). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Thomas to the modified device of Lazaridis and Ichikawa in order to better utilize unused service capacity.

Referring to Claim 16, Lazaridis also teaches the electronic mail protocol as one of SMTP, POP, IMAP, MIME, RFC-822, and IM protocols (see col. 10, lines 53-57).

Referring to Claim 17, Ichikawa also teaches a means for determining a position of the mobile communication device (see col. 3, lines 35-42).

Referring to Claim 18, Ichikawa also teaches a database for storing landmarks, maps, speed limits, and traffic light positions for the mobile unit to use as a positional reference in the location of the mobile communication device (see col. 6, lines 51-56).

Referring to Claim 19, Lazaridis also teaches the condition as one of:

A passage of a predetermined amount of time since a previous transmission, a predetermined relationship between the physical parameter and a reference value, a minimum distance traveled since a previous transmission, and a command from an external source to transmit the status report (see col. 6, lines 7-20).

Referring to Claim 26, Thomas also teaches reconfiguring the status report in response to a configuration command, wherein the configuration command is received in an e-mail format (see col. 3, lines 60-64). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Thomas to the modified device of Lazaridis and Ichikawa in order to better utilize unused service capacity.

Referring to Claim 35, Lazaridis teaches a mobile device for communication via a wireless network, comprising:

means for obtaining data (see col. 6, line 60 to col. 7, line 4).

Lazaridis does not teach means for obtaining physical and positioning data and receiving a configuration command. Ichikawa teaches means for obtaining physical and positioning data (see col. 3, lines 35-49) and receiving a configuration command (see col. 3, lines 20-23, lines 55-58, lines 63-64, col. 4, lines 2-4, lines 9-12, 19-22, and the other configurations stated in the reference), means for preparing a report using the

physical data and the positioning data, wherein the report includes data requested in the configuration command (see col. 3, lines 35-49), and means for transmitting the report receiving an external command to transmit (see end of ABSTRACT). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Ichikawa to said device of Lazaridis in order to more efficiently report the status of a mobile unit.

The combination of Lazaridis and Ichikawa does not teach transmitting the report in an electronic mail format. Thomas teaches transmitting the report in an electronic mail format (see col. 3, lines 60-64 noting that the user interface unit is the location monitoring server). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Thomas to the modified device of Lazaridis and Ichikawa in order to better utilize unused service capacity.

Claim 36 has similar limitations as claim 35.

Response to Arguments

4. Applicant's arguments with respect to claims 1-33, 35, and 36 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE YUN whose telephone number is (571)272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay A. Maung can be reached on (571)272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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